



Section 2.4.7.4 - Rangeland Similarity Index
 ND CPA-20 Form from the NRCS

Name: Coyote Creek Planner: Kelly Krabbenhoft
 Site Name: Thin Loamy Location: _____
 Reference Plant Community: HCPC GPS Location: _____
 Pasture Name/No.: SE1 Transect ID: _____ Date: 8/19/2012

(A) Plant Group	(B) Plant Species	(C) Present Plant Community %	(D) C x I Present Plant Community lbs/ac	(E) Reference Plant Community lbs/ac	(F) Pounds Per Acre Allowable
G	Kentucky bluegrass	3%	44.0496	0	0
G	Little bluestem	62%	1088.3048	170	170
G	Needle-and-thread	6%	109.9492	170	109.9492
G	Plains muhly	2%	33.0372	170	33.0372
G	Porcupine grass	14%	241.9232	170	170
G	Sideoats grama	3%	54.8872	255	54.8872
G	Threadleaf sedge	4%	76.912	85	76.912
S	Fringed Sagewort	1%	8.74	17	8.74
F	Goldenrod	0%	2.2724	34	2.2724
F	Silverleaf scurfpea	4%	70.4444	17	17
F	Wavyleaf thistle	1%	14.3336	17	14.3336
S	Wild prairie rose	0%	3.3212	34	3.3212
Totals:		100%	1748.1748	1139	660.4528
(G) Annual production for reference plant community from site description					1700
(H) Similarity Index (%) = Total column F divided by (G) Annual production x 100					38.85%
(I) Total annual biomass ¹ : (lbs/ac air dry)		1748		X Clipped or	Estimated

¹ Remember to adjust estimate or clipped weight to reflect growing season biomass removed by grazing animals, insects or plant senescence.